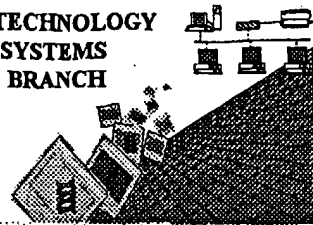


RAW SEQUENCE LISTING
ERROR REPORT

1645
BIOTECHNOLOGY
SYSTEMS
BRANCH



0450
#3
0220
RECEIVED

APR 19 2002

TECH CENTER 1600/2900

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/073,735
Source: 01PE
Date Processed by STIC: 3/1/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

RECEIVED

APR 19 2002

TECH CENTER 1600/2900



OIPE

RAW SEQUENCE LISTING

DATE: 03/01/2002

PATENT APPLICATION: US/10/073,735

TIME: 11:02:01

Input Set : A:\SEQ Listing_FCR1A.ST25.txt

Output Set: N:\CRF3\03012002\J073735.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Genaissance Pharmaceuticals, Inc.
4 Chew, Anne
5 Denton, R. Rex
6 Duda, Amy
7 Kliem, Stefanie E.
8 Brown, Elizabeth M.
9 Nandabalan, Krishnan
10 Stephens, J. Claiborne
12 <120> TITLE OF INVENTION: HAPLOTYPES OF THE FCER1A GENE
14 <130> FILE REFERENCE: MWH-0007US
16 <140> CURRENT APPLICATION NUMBER: US/10/073,735
17 <141> CURRENT FILING DATE: 2002-02-11
19 <150> PRIOR APPLICATION NUMBER: 60/147,860
20 <151> PRIOR FILING DATE: 1999-08-09
22 <150> PRIOR APPLICATION NUMBER: PCT/US00/21097
23 <151> PRIOR FILING DATE: 2000-08-02
25 <160> NUMBER OF SEQ ID NOS: 114
27 <170> SOFTWARE: PatentIn version 3.1

ERRORED SEQUENCES

1221 <210> SEQ ID NO: 114
1222 <211> LENGTH: 2640
1223 <212> TYPE: DNA
1224 <213> ORGANISM: Homo sapiens
1226 <220> FEATURE:
1227 <221> NAME/KEY: allele
1228 <222> LOCATION: (30)..(30)
1229 <223> OTHER INFORMATION: PS1: Polymorphic base T or G
1231 <220> FEATURE:
1232 <221> NAME/KEY: misc_feature
1233 <222> LOCATION: (61)..(120)
1234 <223> OTHER INFORMATION: N's represent sequence between PS1 and PS2
1236 <220> FEATURE:
1237 <221> NAME/KEY: allele
1238 <222> LOCATION: (150)..(150)
1239 <223> OTHER INFORMATION: PS2: Polymorphic base T or G
1241 <220> FEATURE:
1242 <221> NAME/KEY: misc_feature
1243 <222> LOCATION: (181)..(240)
1244 <223> OTHER INFORMATION: N's represent sequence between PS2 and PS3
1246 <220> FEATURE:

see
PPS, 6

"y" represents
T or C

RAW SEQUENCE LISTING

DATE: 03/01/2002

PATENT APPLICATION: US/10/073,735

TIME: 11:02:01

Input Set : A:\SEQ Listing_FCER1A.ST25.txt

Output Set: N:\CRF3\03012002\J073735.raw

1247 <221> NAME/KEY: allele
1248 <222> LOCATION: (270)..(270)
1249 <223> OTHER INFORMATION: PS3: Polymorphic base T or C
1252 <220> FEATURE:
1253 <221> NAME/KEY: misc_feature
1254 <222> LOCATION: (301)..(360)
1255 <223> OTHER INFORMATION: N's represent sequence between PS3 and PS4
1257 <220> FEATURE:
1258 <221> NAME/KEY: allele
1259 <222> LOCATION: (390)..(390)
1260 <223> OTHER INFORMATION: PS4: Polymorphic base A or T
1262 <220> FEATURE:
1263 <221> NAME/KEY: misc_feature
1264 <222> LOCATION: (421)..(480)
1265 <223> OTHER INFORMATION: N's represent sequence between PS4 and PS5
1267 <220> FEATURE:
1268 <221> NAME/KEY: allele
1269 <222> LOCATION: (510)..(510)
1270 <223> OTHER INFORMATION: PS5: Polymorphic base C or A
1272 <220> FEATURE:
1273 <221> NAME/KEY: misc_feature
1274 <222> LOCATION: (541)..(600)
1275 <223> OTHER INFORMATION: N's represent sequence between PS5 and PS6
1277 <220> FEATURE:
1278 <221> NAME/KEY: allele
1279 <222> LOCATION: (630)..(630)
1280 <223> OTHER INFORMATION: PS6: Polymorphic base T or C
1282 <220> FEATURE:
1283 <221> NAME/KEY: misc_feature
1284 <222> LOCATION: (661)..(720)
1285 <223> OTHER INFORMATION: N's represent sequence between PS6 and PS7
1287 <220> FEATURE:
1288 <221> NAME/KEY: allele
1289 <222> LOCATION: (750)..(750)
1290 <223> OTHER INFORMATION: PS7: Polymorphic base C or A
1292 <220> FEATURE:
1293 <221> NAME/KEY: misc_feature
1294 <222> LOCATION: (781)..(840)
1295 <223> OTHER INFORMATION: N's represent sequence between PS7 and PS8
1297 <220> FEATURE:
1298 <221> NAME/KEY: allele
1299 <222> LOCATION: (870)..(870)
1300 <223> OTHER INFORMATION: PS8: Polymorphic base C or T
1302 <220> FEATURE:
1303 <221> NAME/KEY: misc_feature
1304 <222> LOCATION: (901)..(960)
1305 <223> OTHER INFORMATION: N's represent sequence between PS8 and PS9
1308 <220> FEATURE:
1309 <221> NAME/KEY: allele

RAW SEQUENCE LISTING

DATE: 03/01/2002

PATENT APPLICATION: US/10/073,735

TIME: 11:02:01

Input Set : A:\SEQ Listing_FCER1A.ST25.txt

Output Set: N:\CRF3\03012002\J073735.raw

1310 <222> LOCATION: (990)..(990) ✓
1311 <223> OTHER INFORMATION: PS9: Polymorphic base A or G
1313 <220> FEATURE:
1314 <221> NAME/KEY: misc_feature ✓
1315 <222> LOCATION: (1021)..(1080)
1316 <223> OTHER INFORMATION: N's represent sequence between PS9 and PS10
1318 <220> FEATURE:
1319 <221> NAME/KEY: allele ✓
1320 <222> LOCATION: (1110)..(1110)
1321 <223> OTHER INFORMATION: PS10: Polymorphic base A or G
1323 <220> FEATURE:
1324 <221> NAME/KEY: misc_feature ✓
1325 <222> LOCATION: (1141)..(1200)
1326 <223> OTHER INFORMATION: N's represent sequence between PS10 and PS11
1328 <220> FEATURE:
1329 <221> NAME/KEY: allele ✓
1330 <222> LOCATION: (1230)..(1230)
1331 <223> OTHER INFORMATION: PS11: Polymorphic base G or A
1333 <220> FEATURE:
1334 <221> NAME/KEY: misc_feature ✓
1335 <222> LOCATION: (1261)..(1320)
1336 <223> OTHER INFORMATION: N's represent sequence between PS11 and PS12
1338 <220> FEATURE:
1339 <221> NAME/KEY: allele ✓
1340 <222> LOCATION: (1350)..(1350)
1341 <223> OTHER INFORMATION: PS12: Polymorphic base T or C
1343 <220> FEATURE:
1344 <221> NAME/KEY: misc_feature ✓
1345 <222> LOCATION: (1381)..(1440)
1346 <223> OTHER INFORMATION: N's represent sequence between PS12 and PS13
1348 <220> FEATURE:
1349 <221> NAME/KEY: allele ✓
1350 <222> LOCATION: (1470)..(1470)
1351 <223> OTHER INFORMATION: PS13: Polymorphic base G or A
1353 <220> FEATURE:
1354 <221> NAME/KEY: misc_feature ✓
1355 <222> LOCATION: (1501)..(1560)
1356 <223> OTHER INFORMATION: N's represent sequence between PS13 and PS14
1358 <220> FEATURE:
1359 <221> NAME/KEY: allele ✓
1360 <222> LOCATION: (1590)..(1590)
1361 <223> OTHER INFORMATION: PS14: Polymorphic base G or A
1365 <220> FEATURE:
1366 <221> NAME/KEY: misc_feature ✓
1367 <222> LOCATION: (1621)..(1680)
1368 <223> OTHER INFORMATION: N's represent sequence between PS14 and PS15
1370 <220> FEATURE:
1371 <221> NAME/KEY: allele ✓
1372 <222> LOCATION: (1710)..(1710) (

RAW SEQUENCE LISTING

DATE: 03/01/2002

PATENT APPLICATION: US/10/073,735

TIME: 11:02:01

Input Set : A:\SEQ Listing_FCER1A.ST25.txt

Output Set: N:\CRF3\03012002\J073735.raw

1373 <223> OTHER INFORMATION: PS16: Polymorphic base G or A
1375 <220> FEATURE:
1376 <221> NAME/KEY: misc_feature
1377 <222> LOCATION: (1741)..(1800)
1378 <223> OTHER INFORMATION: N's represent sequence between PS15 and PS16
1380 <220> FEATURE:
1381 <221> NAME/KEY: allele
1382 <222> LOCATION: (1830)..(1830)
1383 <223> OTHER INFORMATION: PS16: Polymorphic base C or T
1385 <220> FEATURE:
1386 <221> NAME/KEY: misc_feature
1387 <222> LOCATION: (1861)..(1920)
1388 <223> OTHER INFORMATION: N's represent sequence between PS16 and PS17
1390 <220> FEATURE:
1391 <221> NAME/KEY: allele
1392 <222> LOCATION: (1950)..(1950)
1393 <223> OTHER INFORMATION: PS17: Polymorphic base C or T
1395 <220> FEATURE:
1396 <221> NAME/KEY: misc_feature
1397 <222> LOCATION: (1981)..(2040)
1398 <223> OTHER INFORMATION: N's represent sequence between PS17 and PS18
1400 <220> FEATURE:
1401 <221> NAME/KEY: allele
1402 <222> LOCATION: (2070)..(2070)
1403 <223> OTHER INFORMATION: PS18: Polymorphic base T or C
1405 <220> FEATURE:
1406 <221> NAME/KEY: misc_feature
1407 <222> LOCATION: (2101)..(2160)
1408 <223> OTHER INFORMATION: N's represent sequence between PS18 and PS19
1410 <220> FEATURE:
1411 <221> NAME/KEY: allele
1412 <222> LOCATION: (2190)..(2190)
1413 <223> OTHER INFORMATION: PS19: Polymorphic base C or A
1415 <220> FEATURE:
1416 <221> NAME/KEY: misc_feature
1417 <222> LOCATION: (2221)..(2280)
1418 <223> OTHER INFORMATION: N's represent sequence between PS19 and PS20
1421 <220> FEATURE:
1422 <221> NAME/KEY: allele
1423 <222> LOCATION: (2310)..(2310)
1424 <223> OTHER INFORMATION: PS20: Polymorphic base T or C
1426 <220> FEATURE:
1427 <221> NAME/KEY: misc_feature
1428 <222> LOCATION: (2341)..(2400)
1429 <223> OTHER INFORMATION: N's represent sequence between PS20 and PS21
1431 <220> FEATURE:
1432 <221> NAME/KEY: allele
1433 <222> LOCATION: (2430)..(2430)
1434 <223> OTHER INFORMATION: PS21: Polymorphic base A or G

RAW SEQUENCE LISTING

DATE: 03/01/2002

PATENT APPLICATION: US/10/073,735

TIME: 11:02:01

Input Set : A:\SEQ Listing_FCR1A.ST25.txt

Output Set: N:\CRF3\03012002\J073735.raw

```

1436 <220> FEATURE:
1437 <221> NAME/KEY: misc_feature
1438 <222> LOCATION: (2461)..(2520)
1439 <223> OTHER INFORMATION: N's represent sequence between PS21 and PS22
1441 <220> FEATURE:
1442 <221> NAME/KEY: allele
1443 <222> LOCATION: (2550)..(2550)
1444 <223> OTHER INFORMATION: PS22: Polymorphic base G or A
1446 <220> FEATURE:
1447 <221> NAME/KEY: misc_feature
1448 <222> LOCATION: (2581)..(2640)
1449 <223> OTHER INFORMATION: N's represent sequence 3' to PS22
1451 <400> SEQUENCE: 114
1452 taggattatt gtgaaaaata aatgaaatac cagatttatt taggataaca cctggcatat      60
OK 1453 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120
OK 1454 agtaattagt tgctgctggt ttattctgcy ctcccttgca tccactttt ctaagttgta      180
OK 1455 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      240
OK 1456 ggcacagctg atgggttaac cagatatgay acagaaaaca ttctcttctg ctttttggtt      300
OK 1457 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      360
OK 1458 ctgatgggtt aaccagatat gatacagaaw acatttcctt ctgcttttg gttttaagcc      420
OK 1459 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      480
OK 1460 gttcttcggt aagtagagat tcaattaccm ctcccaggga ggcccaaagt aatttgggga      540
OK 1461 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      600
OK 1462 gagataaaga agactgctgg acactaatgy atcctctctg gacttttgca gctccagatg      660
OK 1463 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      720
OK 1464 aagaagactg ctggacacta atgtatcctm tctggacttt tgcagctcca gatggcgtgt      780
OK 1465 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      840
OK 1466 tcgtcccatc acttctgctt tctaagtagy atgaatctgt tccttgcca gactactttc      900
OK 1467 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      960
OK 1468 actaatttct ccttccccta gaaatcaaar cagggtctta tcaccaacag aataaggaca      1020
OK 1469 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      1080
OK 1470 aaattcaagt ttgaatattg tgaatgccar atttgaagac agtggagaat acaaagtcca      1140
OK 1471 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      1200
OK 1472 caaatgtcag caccaacaag ttaatgagar tgaacctgtg tacctggaag tcttcagtgg      1260
OK 1473 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      1320
OK 1474 taggacacca gagtgggatt caaggcctcy catttttaag accctgcat tggctgggca      1380
OK 1475 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      1440
OK 1476 ctacgcctg taatcccagc actttgggar gctgaggcag gtggatcacg aggtcaggag      1500
OK 1477 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      1560
OK 1478 atcacgaggt caggagatcg agaccatccr gctaacatgg tgaaacccca tctctgctaa      1620
OK 1479 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      1680
OK 1480 catagtttct gacacatgct ctatgctgr ctctctttt tctattcatt ctctctctct      1740
OK 1481 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      1800
OK 1482 agttgaagac agtggaaact actactgtay gggcaaagtg tggcagctgg actatgagtc      1860
OK 1483 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      1920
OK 1484 gggcacctgt gatacactgg aaagcctacy agacttgcaa tgaggagacc tgggtgatag      1980
OK 1485 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      2040
OK 1486 tttcaaagcc ttgacttgtt aaatggtgay agtaatacct gcttgacta tgaaattttt      2100
OK 1487 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      2160

```

RAW SEQUENCE LISTING

DATE: 03/01/2002

PATENT APPLICATION: US/10/073,735

TIME: 11:02:01

Input Set : A:\SEQ Listing_FCI1A.ST25.txt

Output Set: N:\CRF3\03012002\J073735.raw

OK 1488 agaaccagga aaggcttcag acttctgaam ccacatccta agccaaaccc caaaaacaac 2220
OK 1489 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 2280
OK 1490 attagttttt ttccagcatc agcaattgcy actcaattgt caaacacagc ttgcaatata 2340
OK 1491 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 2400
OK 1492 ttgtactca attgtcaaac acagcttgcr atatacatag aaacgtctgt gctcaaggat 2460
OK 1493 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 2520
OK 1494 agaaatgctt cattaaactg agtgaaactf gttaagtggc atgtaatagt aagtgtcaa 2580
OK 1495 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 2640
E--> 1501 (27)

Delete

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/073,735

DATE: 03/01/2002

TIME: 11:02:02

Input Set : A:\SEQ Listing_FCER1A.ST25.txt

Output Set: N:\CRF3\03012002\J073735.raw

L:16 M:270 C: Current Application Number differs, Replaced Current Application Number
L:58 M:283 W: Missing Blank Line separator, <220> field identifier
L:1453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1459 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1463 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1467 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1471 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1475 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1483 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1489 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114
L:1501 M:254 E: No. of Bases conflict, LENGTH:Input:27 Counted:2640 SEQ:114